

IVV 31 Revision: F Effective Date: November 30, 2011

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APPROVAL SIGNATURES		DATE
Natalie Alvaro (original signature on file)	IMS Manager	11/30/2011

VERSION HISTORY				
Version	Description of Change	Author	Effective Date	
Basic	Initial Release	Donna Ozburn	04/25/2005	
Α	Format Changes	Donna Ozburn	04/04/2006	
В	Update process flow diagrams to align with Facility Management paradigm	Stephanie Ferguson	02/06/2008	
С	Change "IV&V Facility" to "IV&V Program"	Stephanie Ferguson	02/23/2009	
D	Changed from IVV 19 to IVV 31; also changed title to STEM Initiatives and removed communications information	Christina Moats	06/23/2010	
E	Combine Sections 4.2 and 4.3	Jess White	11/05/2010	
F	Adjust Scope. Add email in Section 4.2.	Jess White	11/30/2011	

REFERENCE DOCUMENTS		
Document Number	Document Title	
IVV QM	NASA IV&V Quality Manual	
IVV 16	Control of Records	
NPR 1441.1	NASA Records Retention Schedules	

If any process in this document conflicts with any document in NODIS, this document shall be superseded by the NODIS document. Any reference document external to NODIS shall be monitored by the Process Owner for current versioning.



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1.0 Purpose

The purpose of this System Level Procedure (SLP) is to define the role of the Science, Technology, Engineering, and Mathematics (STEM) Initiatives Group as it supports the Strategic Communications Office of the NASA IV&V Program.

2.0 Scope

This SLP is applicable to NASA IV&V civil service and contract employees in their STEM efforts for our customers on behalf of the NASA IV&V Program.

3.0 Definitions and Acronyms

Official NASA IV&V roles and terms are defined in the <u>Quality Manual</u>. Specialized definitions identified in this SLP are defined below.

3.1 Educator Resource Center (ERC)

The ERC is a procured NASA IV&V STEM activity. The ERC focuses on educators within the state of West Virginia.

3.2 STEM Initiatives Group

The STEM Initiatives Group offers resources and opportunities for students, educators, and the community through activities that encourage the proliferation of science, technology, engineering, and mathematics careers. The STEM Initiatives Group also provides educational resources and training opportunities for educators in STEM fields. The group includes two programs: the ERC and the Student STEM Initiatives Program.

3.3 Student STEM Initiatives Program

The Student STEM Initiatives Program is a procured NASA IV&V STEM Initiative activity. The Student STEM Initiatives Program focuses on students within the state of West Virginia.



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3.4 Acronyms

ERC Educator Resource Center
GSFC Goddard Space Flight Center
IMS NASA IV&V Management System
NPR NASA Procedural Requirement

QM Quality Manual

SLP System Level Procedure

STEM Science, Technology, Engineering, and Mathematics

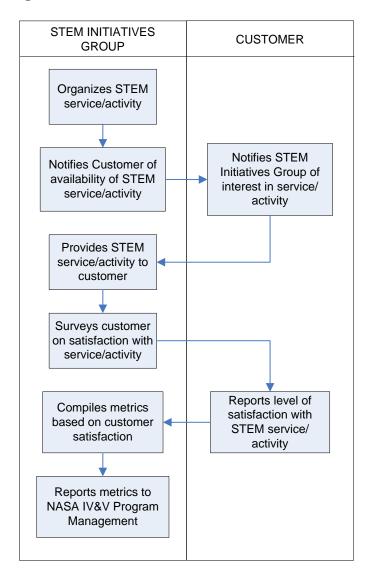


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4.0 Process Flow Diagram

The following diagram depicts the process described in this document, and the responsibilities and actions that shall be performed by process participants or their designees. Any information supplemental to the process will appear after the diagram.

4.1 Offering STEM Services and Activities





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The mission of the NASA IV&V STEM Initiatives Group is to provide educational services that are in alignment with NASA's Strategic Plan and education program priorities.

The purpose of the STEM Initiatives Program is to strengthen NASA and the nation's workforce by inspiring and motivating students to pursue careers in STEM, as well as to engage the public in NASA's mission through partnerships and alliances which are also NASA's educational goals.

The STEM Initiatives Group acts as the primary point of contact to primary and secondary education students and educators; higher education students, faculty, and institutions; and informal education institutions and organizations. STEM Initiatives personnel strive to fulfill NASA's education goal by contributing to the development of the STEM workforce needed to achieve NASA's strategic goals, to attract and retain students through a progression of educational opportunities for students and educators, and to promote STEM literacy and awareness of NASA's mission.

4.2 ERC

The ERC demonstrates and facilitates the use of educational technologies, provides training for in-service and pre-service teachers utilizing NASA curriculum support products, and partners with local, state, and regional educational organizations to become part of the systemic initiatives in the state. The ERC also provides services to students through the Student STEM Initiatives program. This program provides the opportunity to engage students of all ages in the NASA experience at NASA IV&V or at locations requested by the students' organizations. Educator and student workshops are scheduled by contacting the ERC at outreach@ivv.nasa.gov.

5.0 Metrics

Any metrics associated with this SLP are established and tracked within the NASA IV&V Metrics Program.



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6.0 Records

There are no records associated with this SLP.